

(S)-Empagliflozin-D4

Chemical Properties

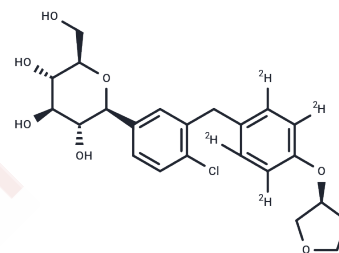
CAS No. :

Formula: C₂₃H₂₃D₄ClO₇

Molecular Weight: 454.93

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description

(S)-Empagliflozin-D4 is a deuterated compound of (S)-Empagliflozin (TMSM-3325). (S)-Empagliflozin has a CAS number of 864070-44-0. Empagliflozin is a Sodium-Glucose Cotransporter 2 Inhibitor. The mechanism of action of empagliflozin is as a Sodium-Glucose Transporter 2 Inhibitor.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1981 mL	10.9907 mL	21.9814 mL
5 mM	0.4396 mL	2.1981 mL	4.3963 mL
10 mM	0.2198 mL	1.0991 mL	2.1981 mL
50 mM	0.044 mL	0.2198 mL	0.4396 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

1. Grempler R, et al. Diabetes Obes Metab, 2012, 14(1), 83-90.

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